

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,978,293 B1  
APPLICATION NO. : 09/713488  
DATED : December 20, 2005  
INVENTOR(S) : Leon Wong et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line(s) 9-10, delete "user-3 specified" and insert -- user-specified --, therefor.

In column 9, line(s) 14-15, delete "server-6 assisted" and insert -- server-assisted --, therefor.

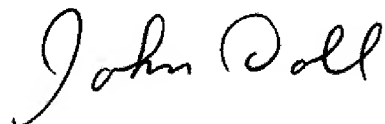
In column 10, line 1, delete ""second\_submember"subscribed" and insert -- "second\_submember" subscribed --, therefor.

In column 13, line 32, after "set" delete ".".

In column 15, line(s) 15-16, in Claim 6, delete "sing hop" and insert -- single hop --, therefor.

Signed and Sealed this

Twenty-first Day of July, 2009

A handwritten signature in cursive script that reads "John Doll".

JOHN DOLL  
*Acting Director of the United States Patent and Trademark Office*